

MIL-C-17F Coaxial Cables

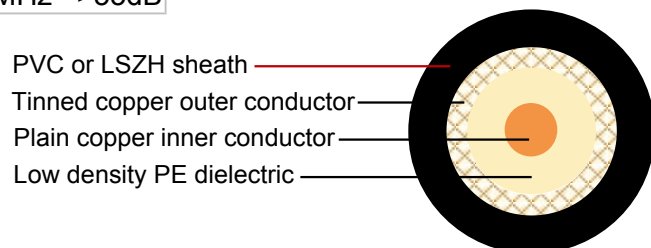
RG 58/U

Construction

Inner conductor	Plain copper	$\Phi 0.80 \pm 0.025$ mm
Dielectric	Low density PE	$\Phi 2.95 \pm 0.10$ mm
Outer conductor	Tinned copper	112 x 0.13 mm
Shield coverage		95%
Sheath	PVC or LSZH	$\Phi 5.00 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	Nom. 53 ± 3 Ohm
Nominal capacitance	94 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	35.0 Ohm/Km
Outer conductor resistance	16.5 Ohm/Km
Test/Operatig Voltage(max)	5 KV/2 KV
Operating temperature range	-30 °C - +70 °C
Copper Weight	18.7 Kg/Km
Cable weight (approx.)	39.9 Kg/Km
Screening effectiveness	100-900 MHz >55dB



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	9.1	2.77
100	13.1	3.99
200	19.4	5.91
400	28.4	8.66
500	32.2	9.82
600	35.7	10.88
860	44.8	13.66
1000	49.0	14.94

Return Loss

30-300 MHz	>26dB
300-600 MHz	>25dB
600-900 MHz	>24dB